



Astaxanthin 2 %

INCI Name:	Astaxanthin
Trade name:	Astaxanthin 2 %
Latin name:	Haematococcus pluvialis extract
Cas-No.:	472-61-7
Molecular formula:	C ₄₀ H ₅₂ O ₄
Application:	Cosmetics
Packaging:	in bags
Filling Quantity:	1 kg 5 kg/bag
Shelf life:	up to 2 years, not opened
Storage conditions:	dry, avoid direct sunlight



Product Specification Astaxanthin 2 %

Test	Specification	20210201C
Appearance	red or dark red powder	conforms
Impurities	no visible impurities	conforms
Odor	no empyreumatic, not rancid, not peculiar	conforms
Moisture	≤ 6 %	3.84 %
Ash	≤ 5 %	1.95 %
Astaxanthin	≥ 2 %	2.17 %
Heavy metals		
Arsenic (As)	≤ 1.0 mg/kg	0.10 mg/kg
Cadmium	≤ 1.0 mg/kg	0.031 mg/kg
Lead (Pb)	≤ 0.8 mg/kg	negative
Chlorate (ClO ₃)	≤ 1.0 mg/kg	0.10 mg/kg
Mercury (Hg)	≤ 0.1 mg/kg	0.0012 mg/kg
Microbiological control		
Total Plate count	≤ 10,000 cfu/g	270
Salmonella	negative/25 g	negative
Yeast & Mold	≤ 300 cfu/g	< 10 cfu/g
E.Coli	≤ 10 cfu/g	negative
Coliforms	≤ 20 cfu/g	< 10 cfu/g
Shigella	negative/25 g	negative
Vibrio parahaemolyticus	negative/25 g	negative
staphylococcus	negative/25 g	negative